Upper ½ Mile Reach Removal Action
Pittsfield, Massachusetts

Post-Removal Monitoring Activities Summary
Table 1

Category	Media	Work Plan §	Frequency	Parameter	Requirements
Water column	Water	Sec. 11.2 (see Note 1)	3x/year for 5 years*	PCBs, Total suspended solids, turbidity, temperature, water flow, water depth	Compare to baseline data.
Biota	Caged mussels	Sec. 11.3	1 Event	PCBs, % Lipids	Compare to baseline data.
Isolation Layer	Sediment	Sec. 11.5.1	1 and 5 years after placement.*	PCBs, Total organic carbon	Compare to Work Plan predictions re PCB migration through isolation layer. If migration >than predicted, potentially perform corrective action
Armor Stone Layer	Rip rap stone	Sec. 11.5.2	1x/year for 5 years*	Armor stone thickness	Repair significant movement or reduction in armor stone thickness
Habitat Enhancement Structures	Boulders	Sec. 11.5.3	1x/year for 5 years	Stability	Address unstable conditions
				Effects on aquatic habitat	Document observations in report.
				Potential for bank-side erosion	Repair increased bank erosion, if any.
Sediments on armor stone	Sediment	Sec. 11.5.4	3 rounds (5, 10, and 15 years after completion).	PCBs	If PCBs found, evaluate data to determine source. Potentially perform source control corrective actions.
Restored Bank Soil	Soil	Sec. 11.6.1	2x/year for first year 1x/year for years 2 -5*	Erosion	Repair significant erosion of bank soils. If practical, remove eroded material (if contaminated) from the river.
Restored Bank Vegetation	Planting inventory	Sec. 11.6.2	2x/year for years 1 - 3 1x/year for years 5 and 7 (see note 2)	Planting quantity	Survival of >80% of planting quantity
	Invasive species			Invasive type	Presence of <5% of surface area
	Herbaceous groundcover			% groundcover	Presence of 100% in area outside foliar area
Source Control Sheetpile Barrier Walls	Groundwater	Technical Attachment H to the Scope of Work for Removal Actions Outside the River	Weekly, Monthly, or Quarterly (see Note 3)	NAPL thickness (see Note 4)	In areas of barrier, no discharge of NAPL to surface water or sediments and no LNAPL migration around barriers. In other areas near surface water, elimination of measurable NAPL in wells near bank that could discharge NAPL to surface water.

This monitoring activities summary chart is designed for informing citizens generally of the Upper ½ Mile Reach monitoring requirements, and is not intended to alter any term or obligation of the Consent Decree, or the Upper ½ Mile Reach Removal Action Work Plan. For the precise Consent Decree requirements, please consult the Consent Decree (www.epa.gov/ne/ge).

Notes

*After five years, GE will propose to EPA, for approval, a long-term monitoring program. For the water column sampling, the data will be evaluated and, if appropriate, the monitoring program will modified or eliminated subject to EPA approval.

1. Information presented in table obtained from Upper ½ Mile Reach Removal Action Work Plan (Blasland, Bouck and Lee, August 1999).
2. Bank vegetation inspection activities to be performed in phases dependent upon actual planting date for specific planting area.
3. Monitoring frequencies for different source control barrier walls will be performed (e.g., weekly, monthly, quarterly) in accordance with the Plant Site 1 Groundwater Management Area (GMA 1) baseline monitoring plan.
4. Monitoring is also required to ensure that dissolved contaminants in groundwater are not adversely affecting surface water in accordance with the GMA 1 baseline monitoring plan.